

Appendix B

Reliant Energy Operating Permit



**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM
NORTHWEST REGION**

TITLE V OPERATING PERMIT

**Reliant Energy Mid-Atlantic Power Holdings, LLC
Warren Generating Station
TV 62-00012**

**Amended
November 21, 2001**

**Based upon Pennsylvania's Operating Permit Program
25 Pa. Code Chapter 127
Effective November 25, 1994**

TITLE V/STATE OPERATING PERMIT
ISSUE DATE: 04-MAY-00 EFFECTIVE DATE: 21-NOV-01

[SIGNATURE] *Larry W. Wonders*
LARRY W WONDERS, NORTHWEST REGION AIR PROGRAM MANAGER

Source ID: 031
Source Name: Boiler NO. 1

I. RESTRICTIONS.

Emission Limitation(s).

- a) No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO₂, in excess of the following:
 - 1. 4.00 lb/mmbtu over a 3-hour period
 - 2. 3.53 lb/mmbtu over a 24-hour period
 - 3. 3.53 lb/mmbtu annually
- b) Compliance with these limits is determined by using a single CEMS measuring aggregate SO₂ emissions from all operating boilers, as required under Condition #009, below.

III. MONITORING REQUIREMENTS.

#009 [25 Pa. Code 123.25]

Monitoring requirements

- a) The permittee shall install, operate and maintain a continuous SO₂ monitoring system to monitor SO₂ emissions from the four boilers where all four boilers exhaust into a common stack containing a single CEMS in compliance with 25 PA Code Chapter 139 Subchapter C (relating to requirements of continuous in-stack monitoring for stationary sources). Results of emission monitoring shall be submitted to the Department on a regular basis in compliance with 25 PA Code Chapter 139, Subchapter C.
- b) The Department may use the data from the SO₂ monitoring devices to enforce the emission limitations for SO₂ defined in this permit.
- c) The Department may use the data from the SO₂ monitoring systems to determine compliance with the applicable emission limitations for SO₂ established in this permit.

Source ID: 032

Source Name: Boiler NO. 2

I. RESTRICTIONS.

Emission Limitation(s).

- a) No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO₂, in excess of the following:
 - 1. 4.00 lb/mmBtu over a 3-hour period
 - 2. 3.53 lb/mmBtu over a 24-hour period
 - 3. 3.53 lb/mmBtu annually
- b) Compliance with these limits is determined by using a single CEMS measuring aggregate SO₂ emissions from all operating boilers, as required under Condition #009, below.

III. MONITORING REQUIREMENTS.

#009 [25 Pa. Code 123.25]

Monitoring requirements

- a) The permittee shall install, operate and maintain a continuous SO₂ monitoring system to monitor SO₂ emissions from the four boilers where all four boilers exhaust into a common stack containing a single CEMS in compliance with 25 PA Code Chapter 139 Subchapter C (relating to requirements of continuous in-stack monitoring for stationary sources). Results of emission monitoring shall be submitted to the Department on a regular basis in compliance with 25 PA Code Chapter 139, Subchapter C.
- b) The Department may use the data from the SO₂ monitoring devices to enforce the emission limitations for SO₂ defined in this permit.
- c) The Department may use the data from the SO₂ monitoring systems to determine compliance with the applicable emission limitations for SO₂ established in this permit.

Source ID: 033

Source Name: Boiler NO. 3

I. RESTRICTIONS.

Emission Limitation(s).

- a) No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO₂, in excess of the following:
 - 1. 4.00 lb/mmbtu over a 3-hour period
 - 2. 3.53 lb/mmbtu over a 24-hour period
 - 3. 3.53 lb/mmbtu annually
- b) Compliance with these limits is determined by using a single CEMS measuring aggregate SO₂ emissions from all operating boilers, as required under Condition #009, below.

III. MONITORING REQUIREMENTS.

#009 [25 Pa. Code 123.25]

Monitoring requirements

- a) The permittee shall install, operate and maintain a continuous SO₂ monitoring system to monitor SO₂ emissions from the four boilers where all four boilers exhaust into a common stack containing a single CEMS in compliance with 25 PA Code Chapter 139 Subchapter C (relating to requirements of continuous in-stack monitoring for stationary sources). Results of emission monitoring shall be submitted to the Department on a regular basis in compliance with 25 PA Code Chapter 139, Subchapter C.
- b) The Department may use the data from the SO₂ monitoring devices to enforce the emission limitations for SO₂ defined in this permit.
- c) The Department may use the data from the SO₂ monitoring systems to determine compliance with the applicable emission limitations for SO₂ established in this permit.

Source ID: 034

Source Name: Boiler NO. 4

I. RESTRICTIONS.

Emission Limitation(s).

- a) No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO₂, in excess of the following:
 - 1. 4.00 lb/mmbtu over a 3-hour period
 - 2. 3.53 lb/mmbtu over a 24-hour period
 - 3. 3.53 lb/mmbtu annually
- b) Compliance with these limits is determined by using a single CEMS measuring aggregate SO₂ emissions from all operating boilers, as required under Condition #009, below.

III. MONITORING REQUIREMENTS.

#009 [25 Pa. Code 123.25]

Monitoring requirements

- a) The permittee shall install, operate and maintain a continuous SO₂ monitoring system to monitor SO₂ emissions from the four boilers where all four boilers exhaust into a common stack containing a single CEMS in compliance with 25 PA Code Chapter 139 Subchapter C (relating to requirements of continuous in-stack monitoring for stationary sources). Results of emission monitoring shall be submitted to the Department on a regular basis in compliance with 25 PA Code Chapter 139, Subchapter C.
- b) The Department may use the data from the SO₂ monitoring devices to enforce the emission limitations for SO₂ defined in this permit.
- c) The Department may use the data from the SO₂ monitoring systems to determine compliance with the applicable emission limitations for SO₂ established in this permit.

Source ID: 035

Source Name: COMBUSTION TURBINE

I. RESTRICTIONS.

Emission Limitation(s).

#002[25 Pa. Code 123.21]

General

No person may permit the emission into the outdoor atmosphere of sulfur oxides in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, dry basis.